

Figure 1

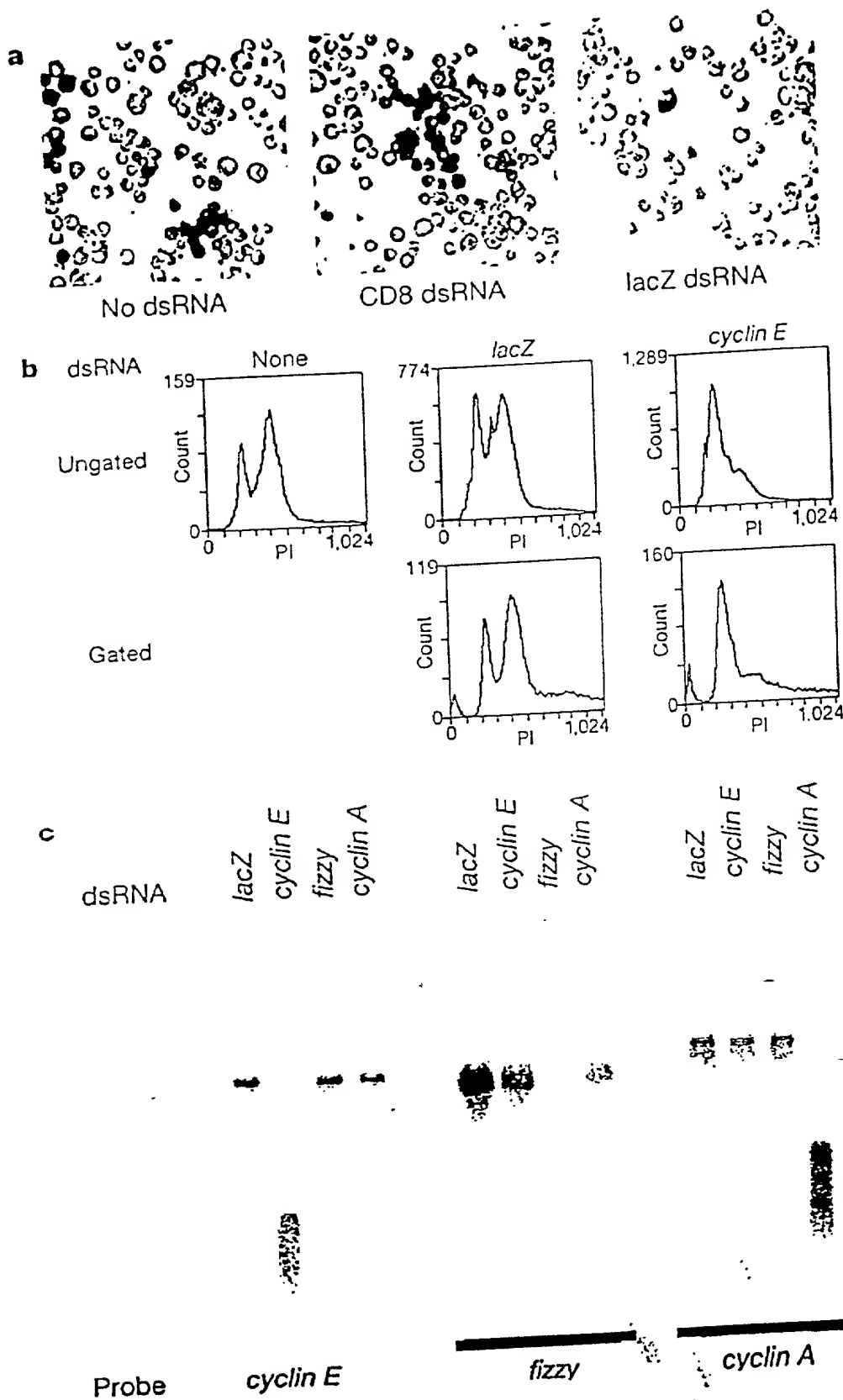


Figure 2

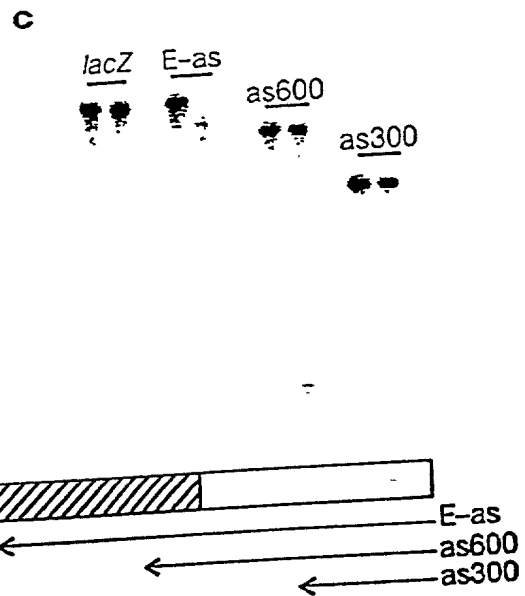
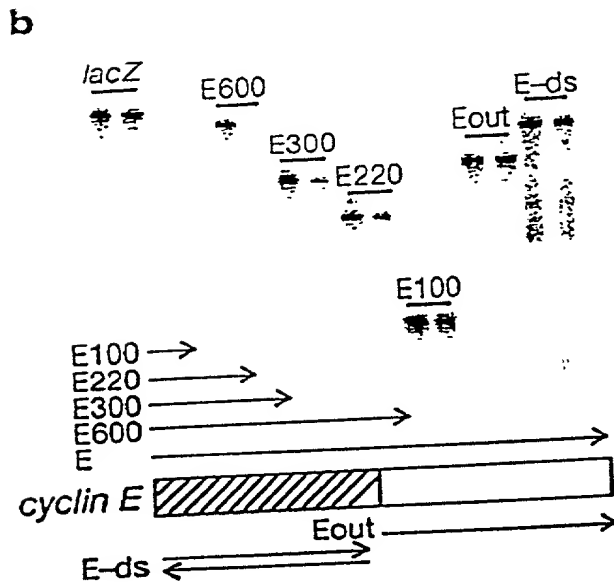
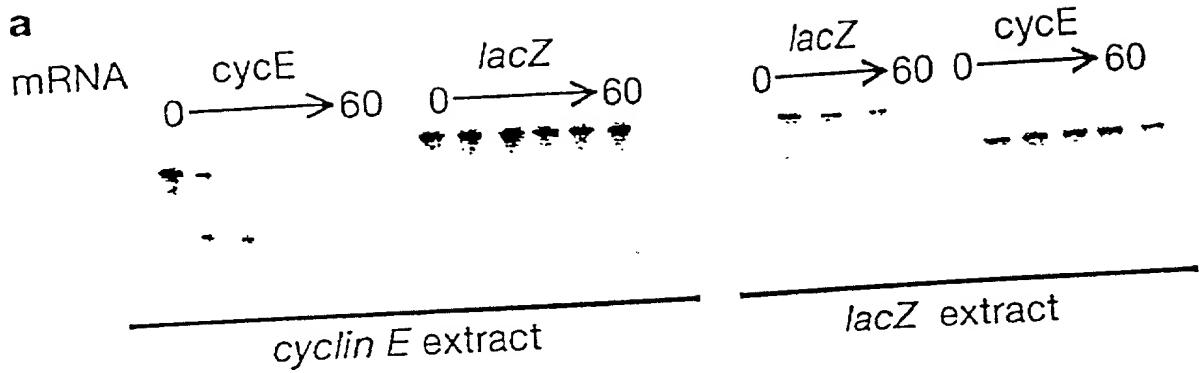


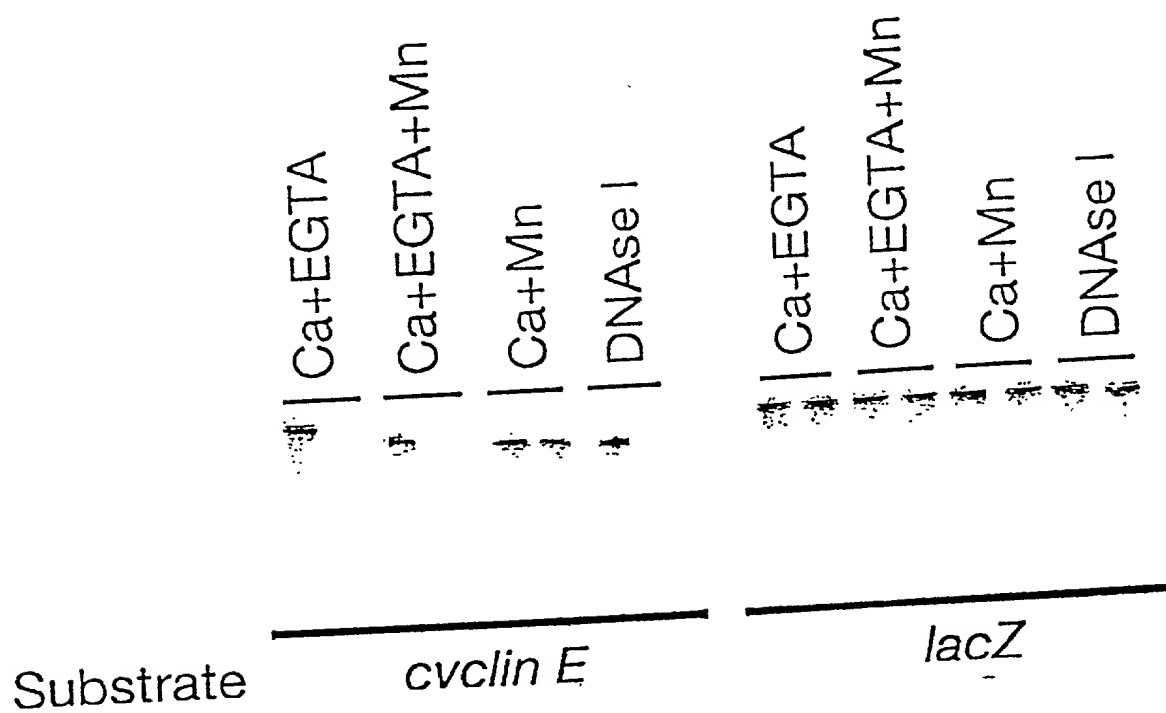
Figure 3

Figure 4

a

S100
Crude extract

~25 nt.—

b

lacZ

cyclin E

~25 nt.—

cyclin E
Northern

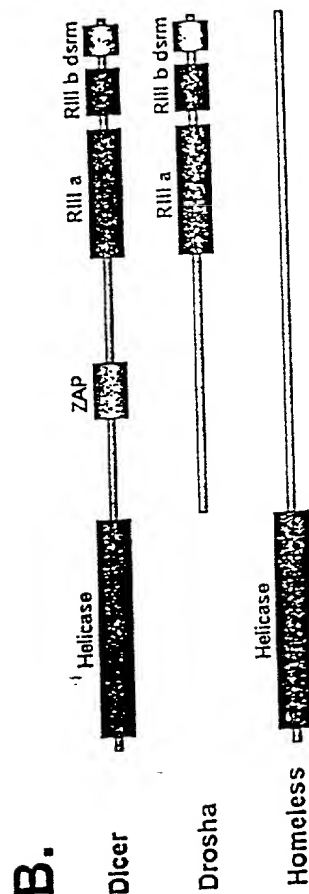
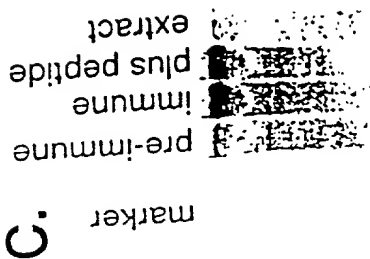
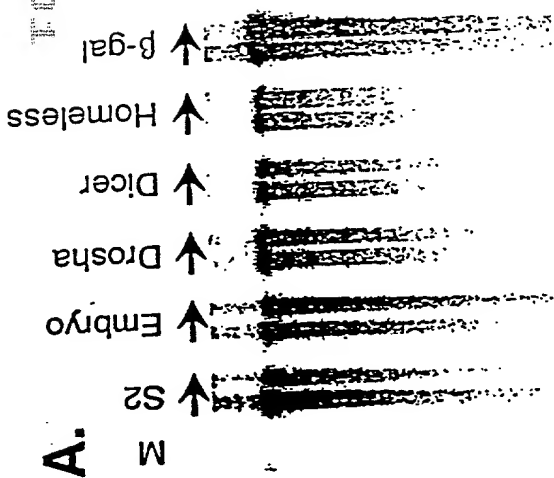
FOH250" 23999999

Figure 5



Figure 6a-c

104250" 43599860



F.
Dicer IP
RISC
control
marker

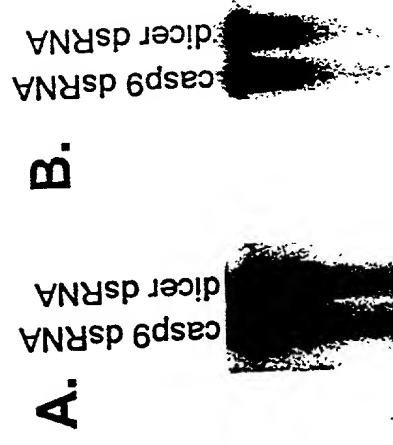
RISC - hs
RISC - ls
total

E.

D.	IP	Ext
ATP	- +	- +

Figure 6d-f

Figure 7



B.

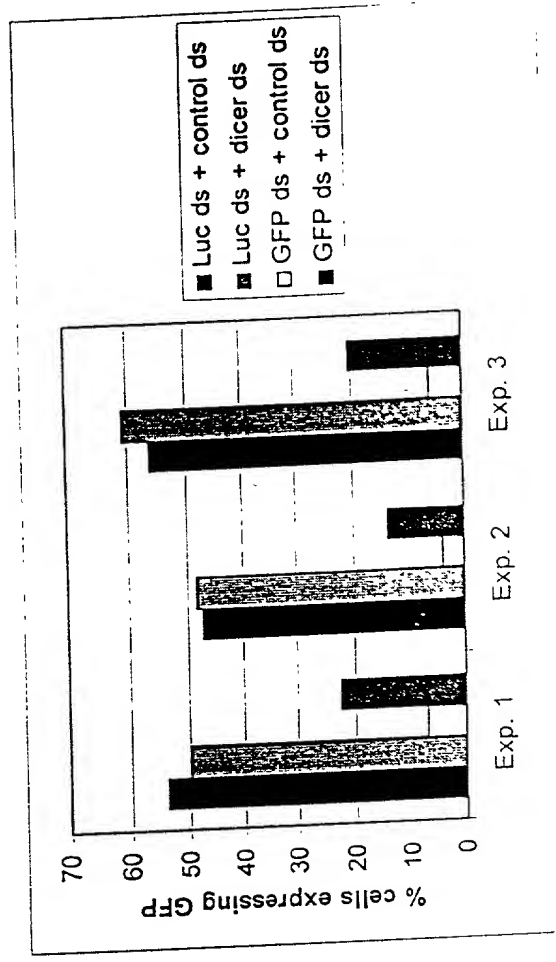


Figure 8A, B

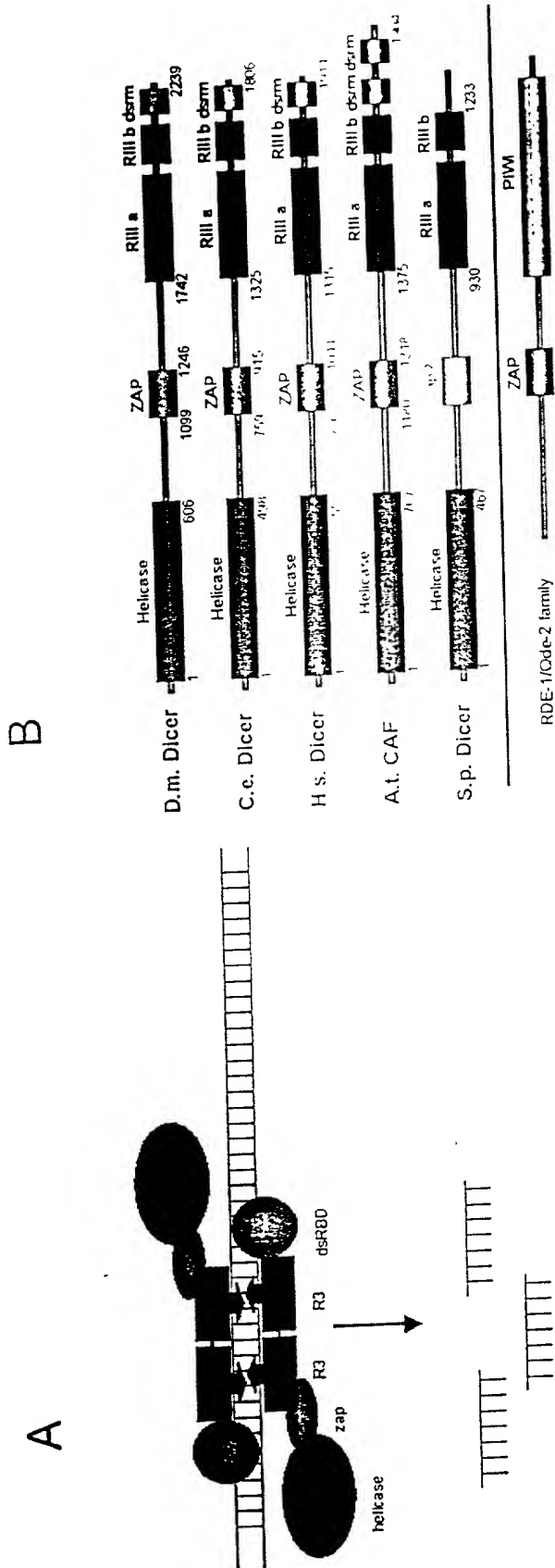


Figure 9

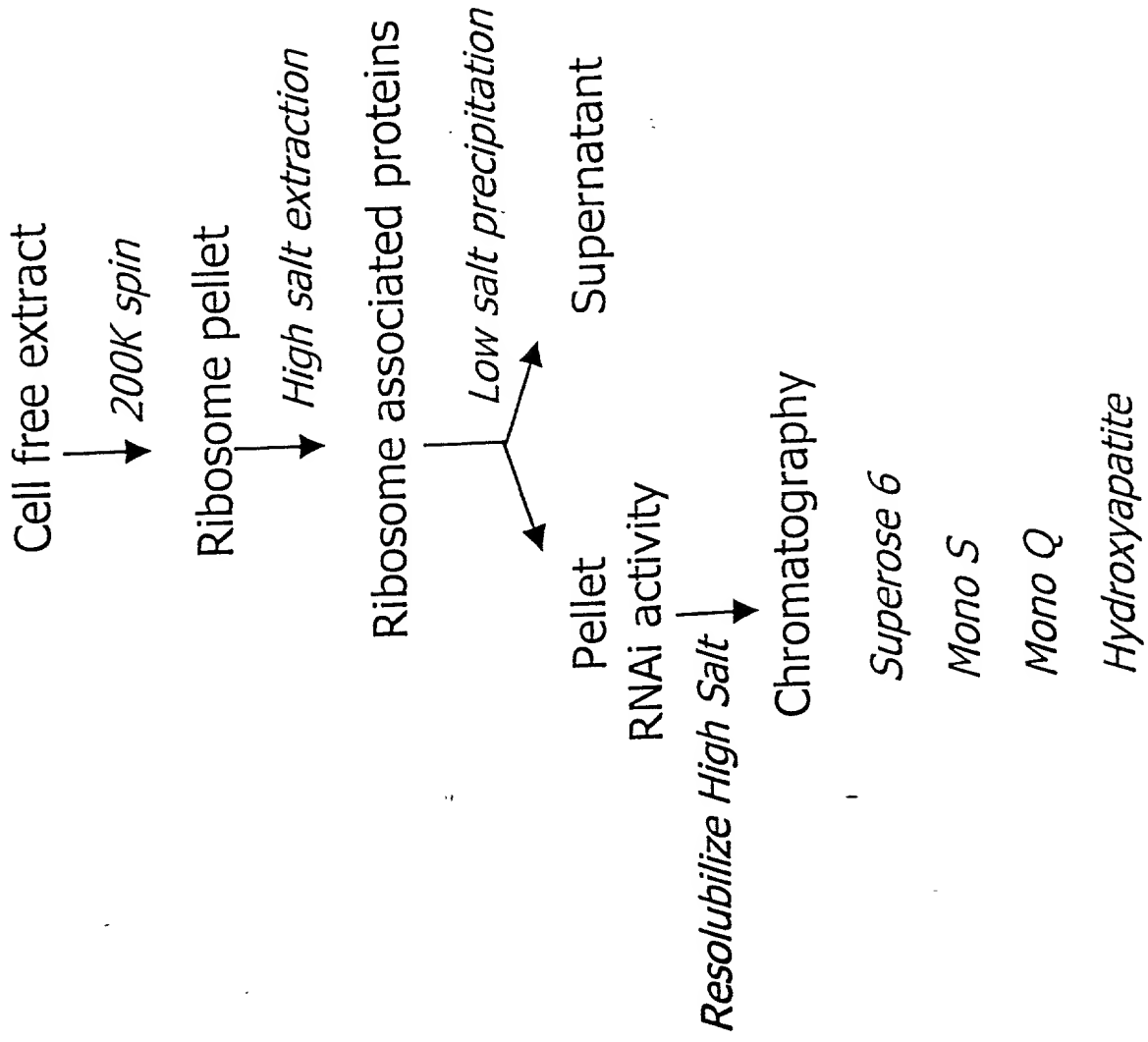


Figure 10

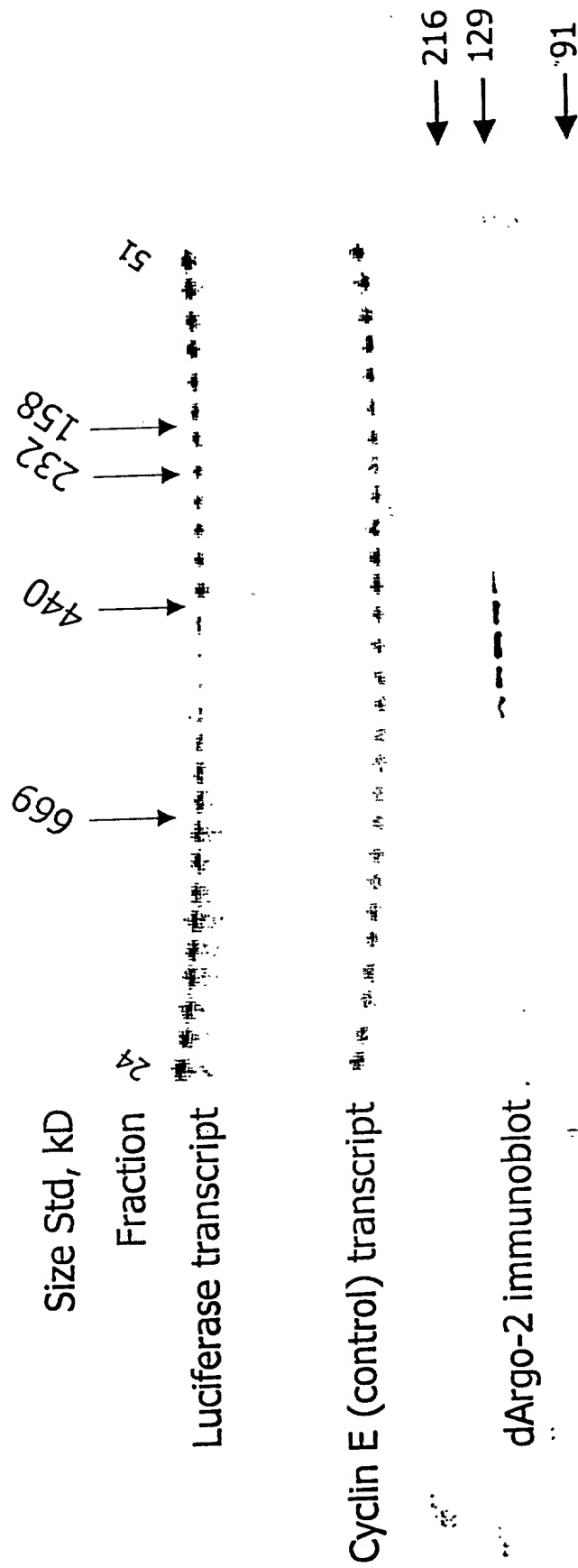


Figure 11

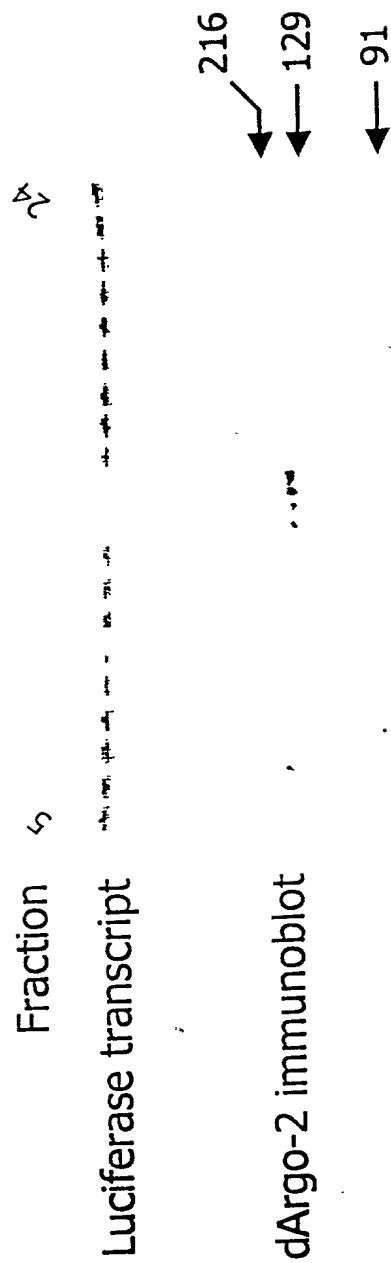


Figure 12

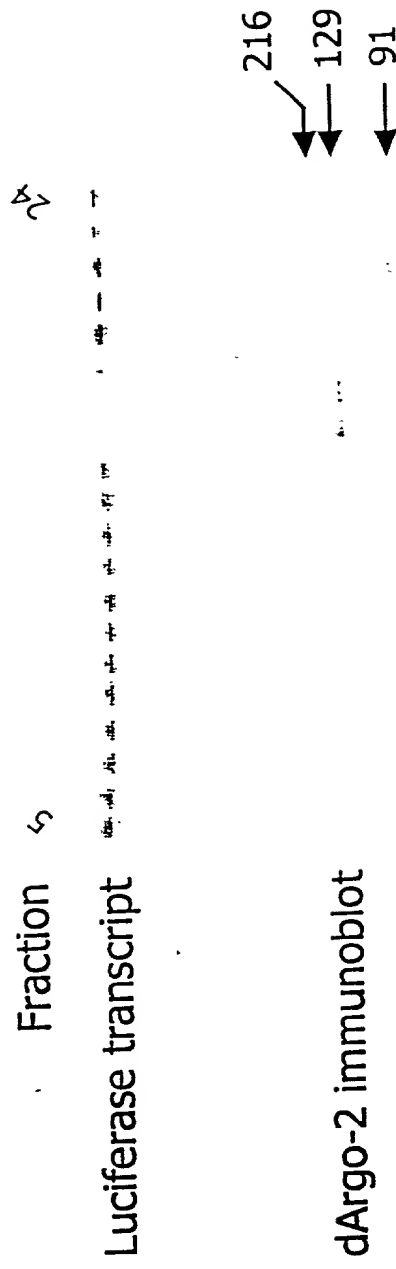


Figure 13

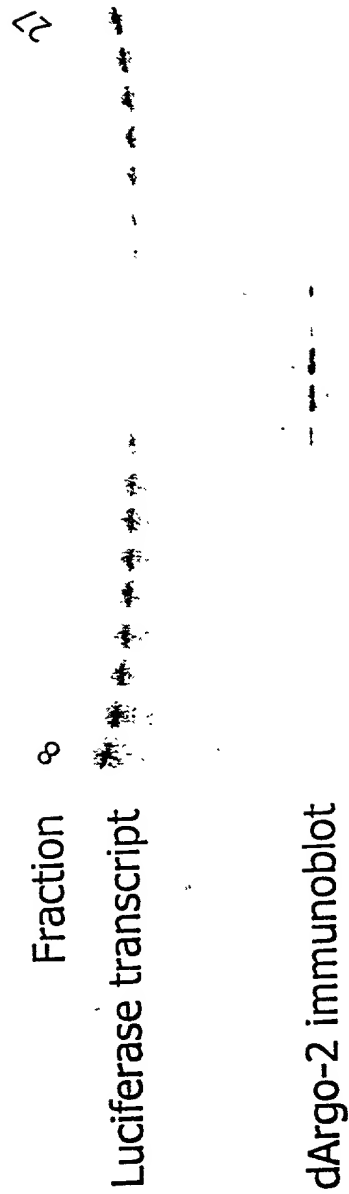
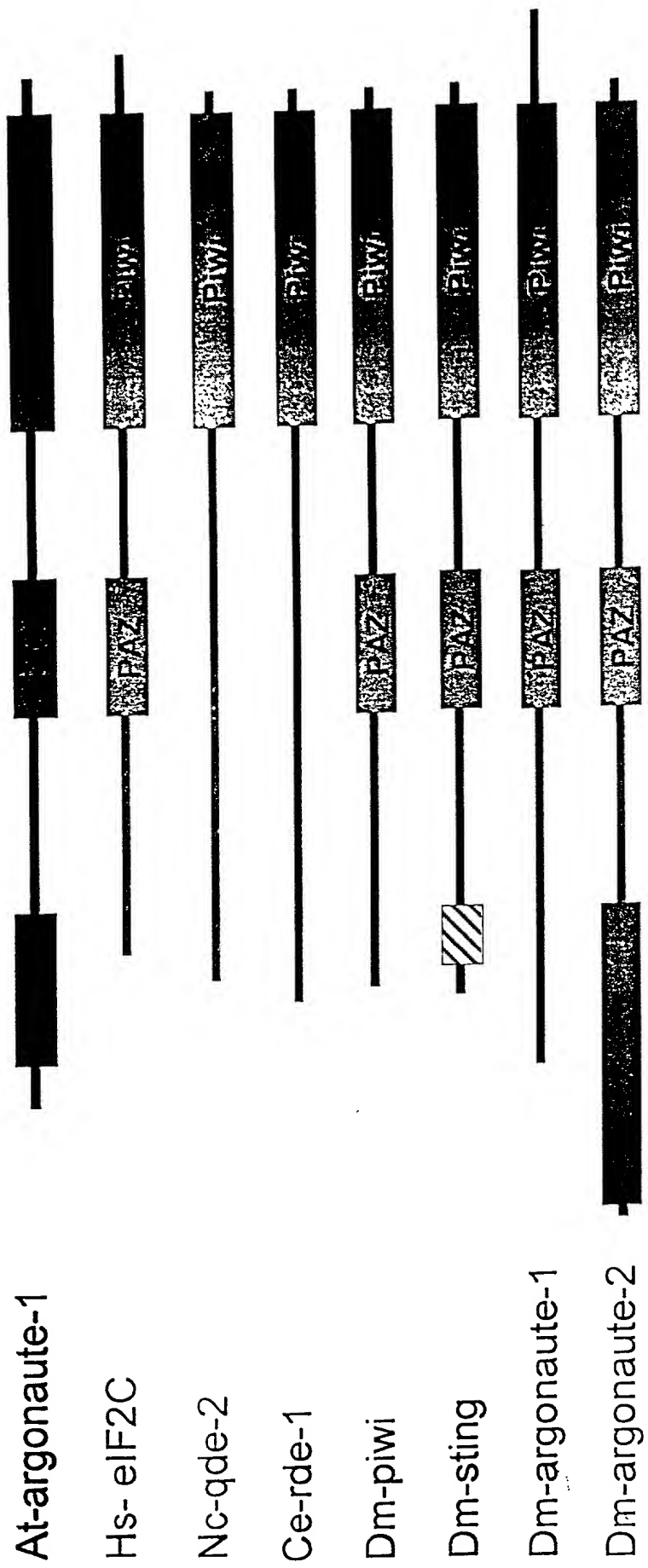


Figure 14



[illegible]

Figure 16

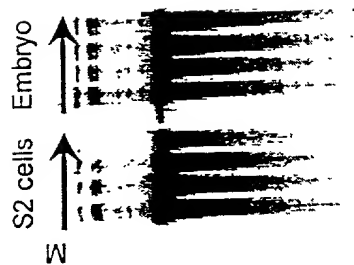


Figure 17

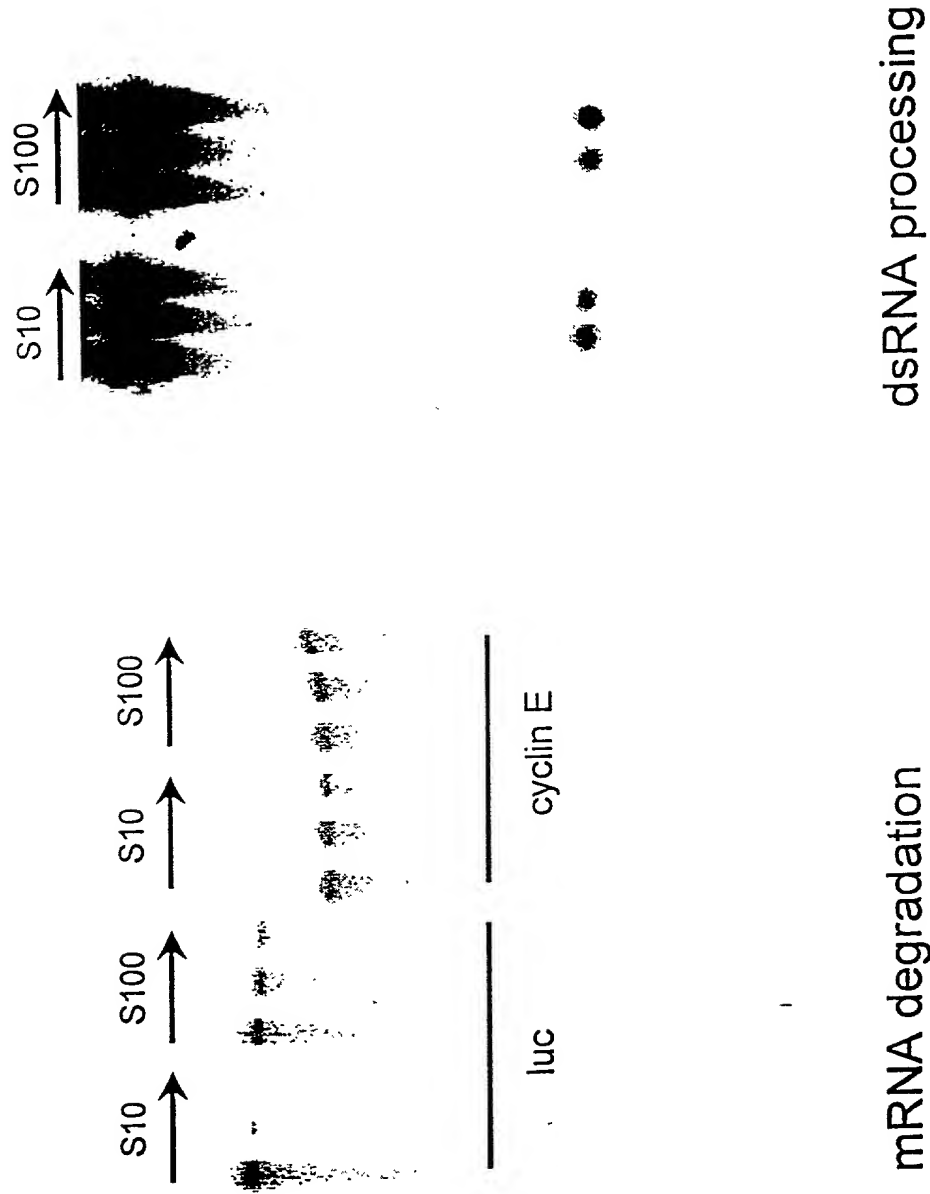
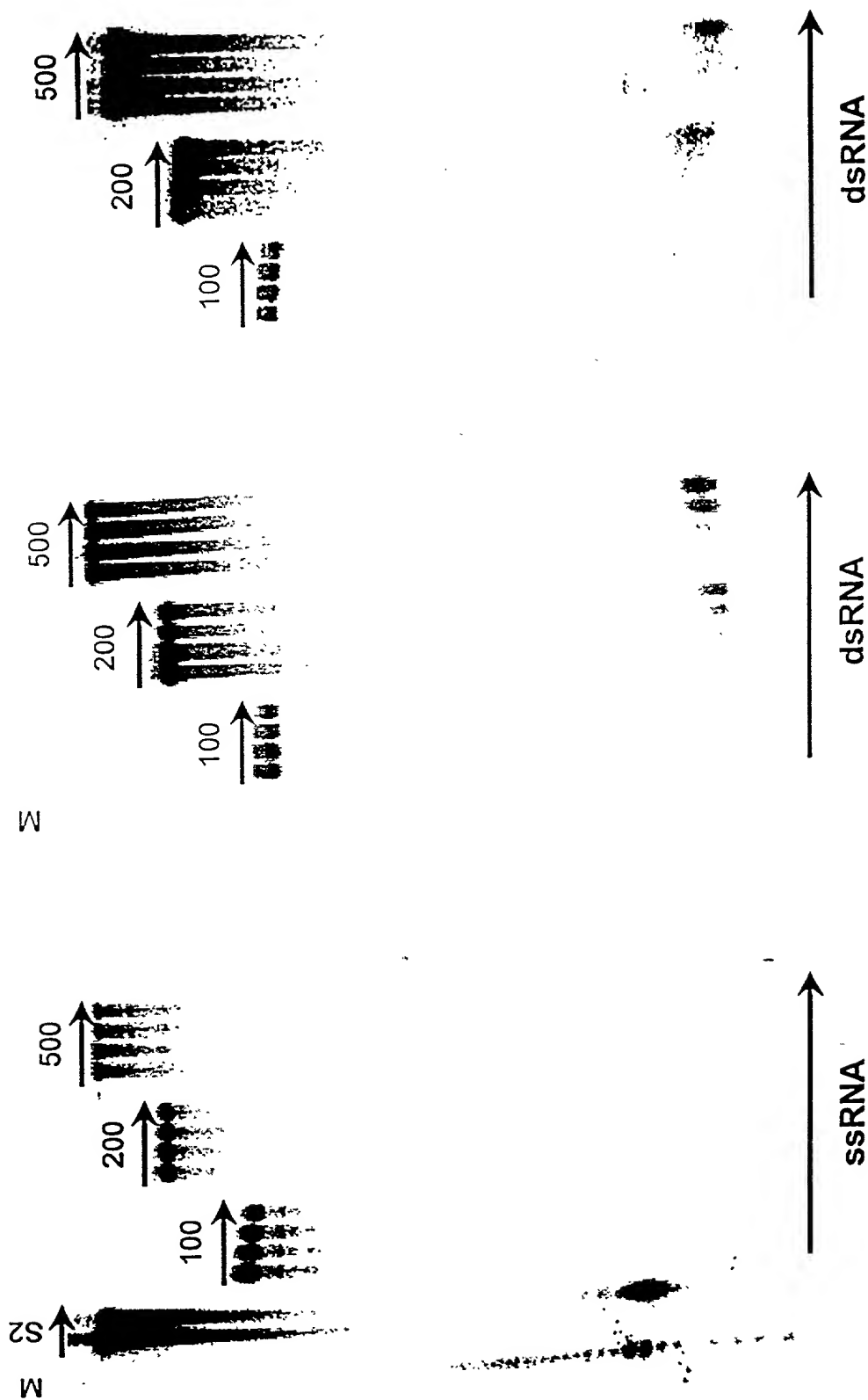


Figure 18

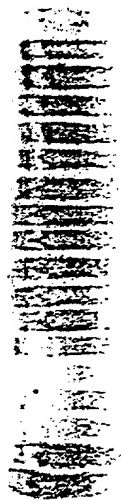


FOR 259980

Resource Phenyl

Q-sepharose

HAP



Superose

S-sepharose

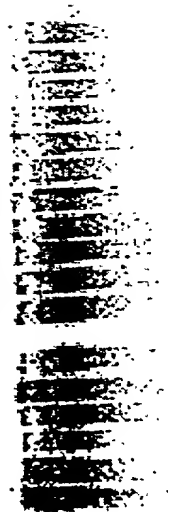


Figure 19

Purification of the 22-mer generating enzyme

Figure 20

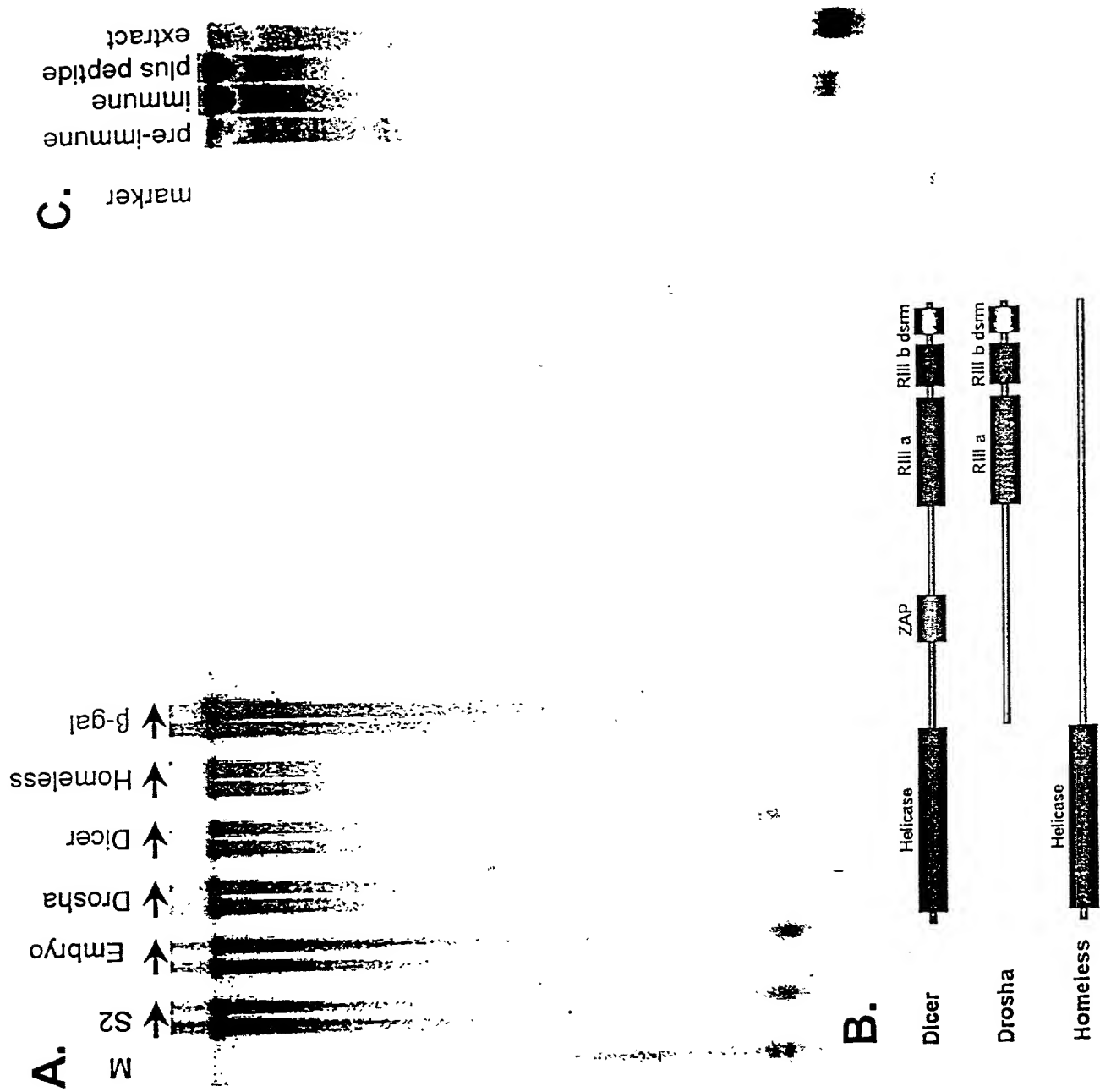


Figure 21

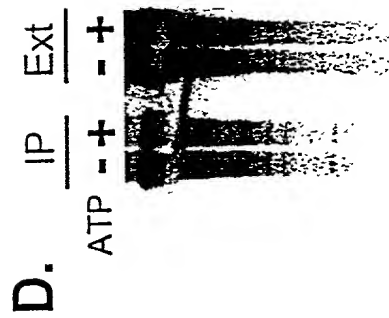


Figure 23

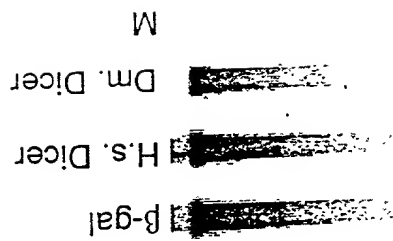
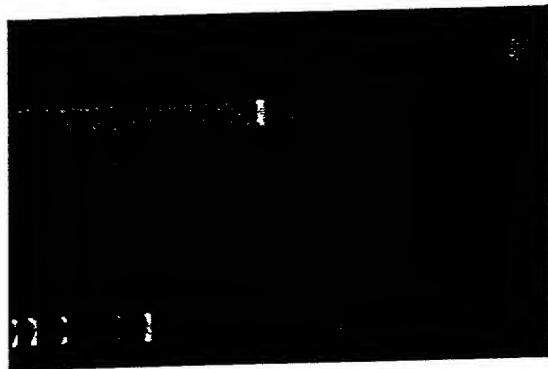


Figure 25



S2 genomic
S2 cDNA
Library clone #7
Argo-2/p12
No template

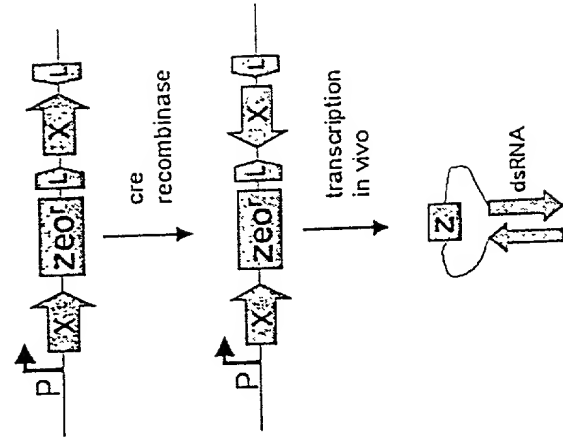
S2
Adult
Embryo



[illegible]

untransfected
hdicer transfected

Figure 27



Dual luciferase assay 21hrs post-transfection (.4ug dsRNA)

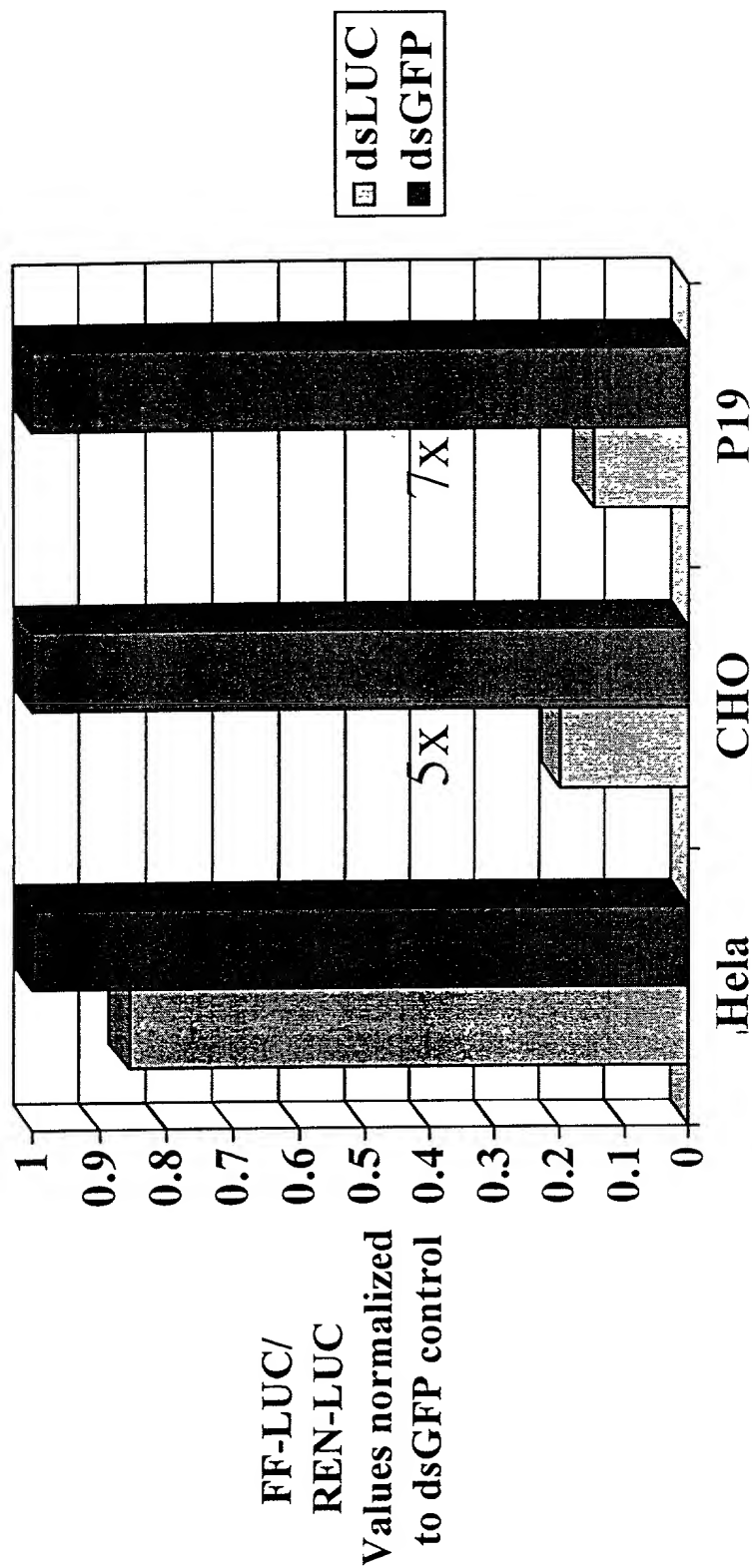


Figure 28

Dual luciferase assay with P19 cells (.5ug dsRNA)

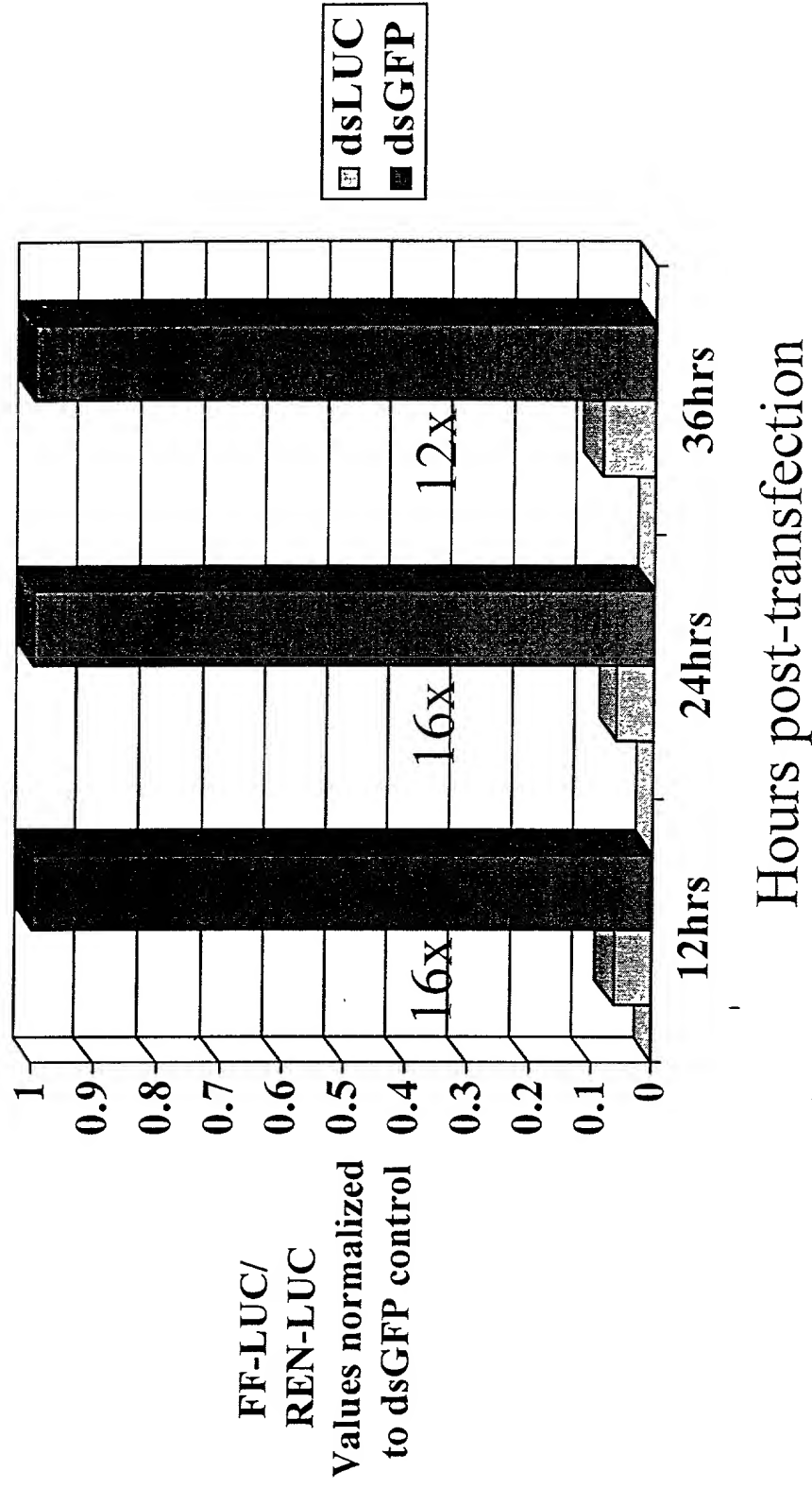


Figure 29

Dual luciferase assay using *in vitro* translation in P19 extracts

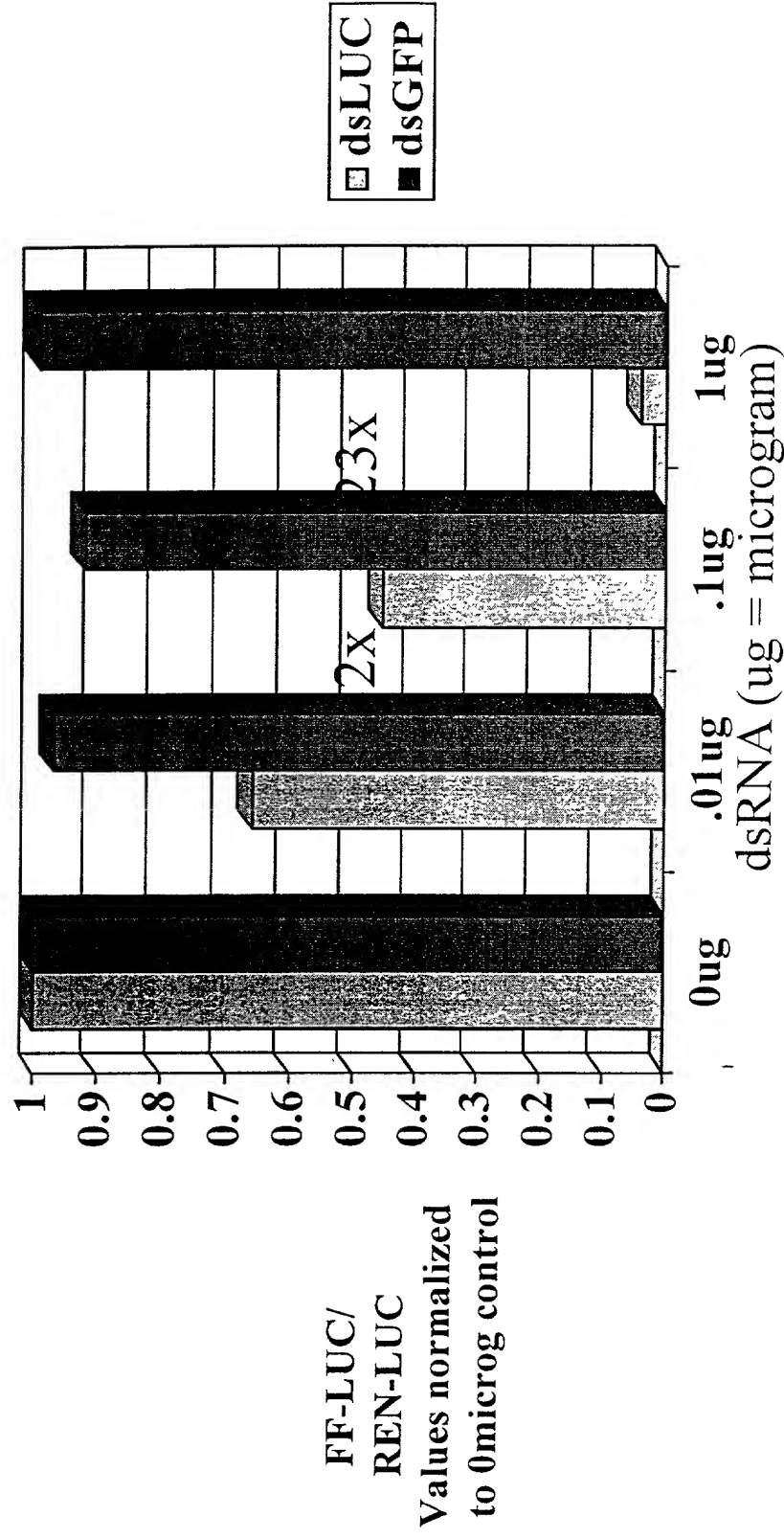


Figure 30

Suppression of luciferase activity is dsRNA-specific for *in vitro* translation assay

FF-LUC/
REN-LUC
Values normalized
to dsGFP control

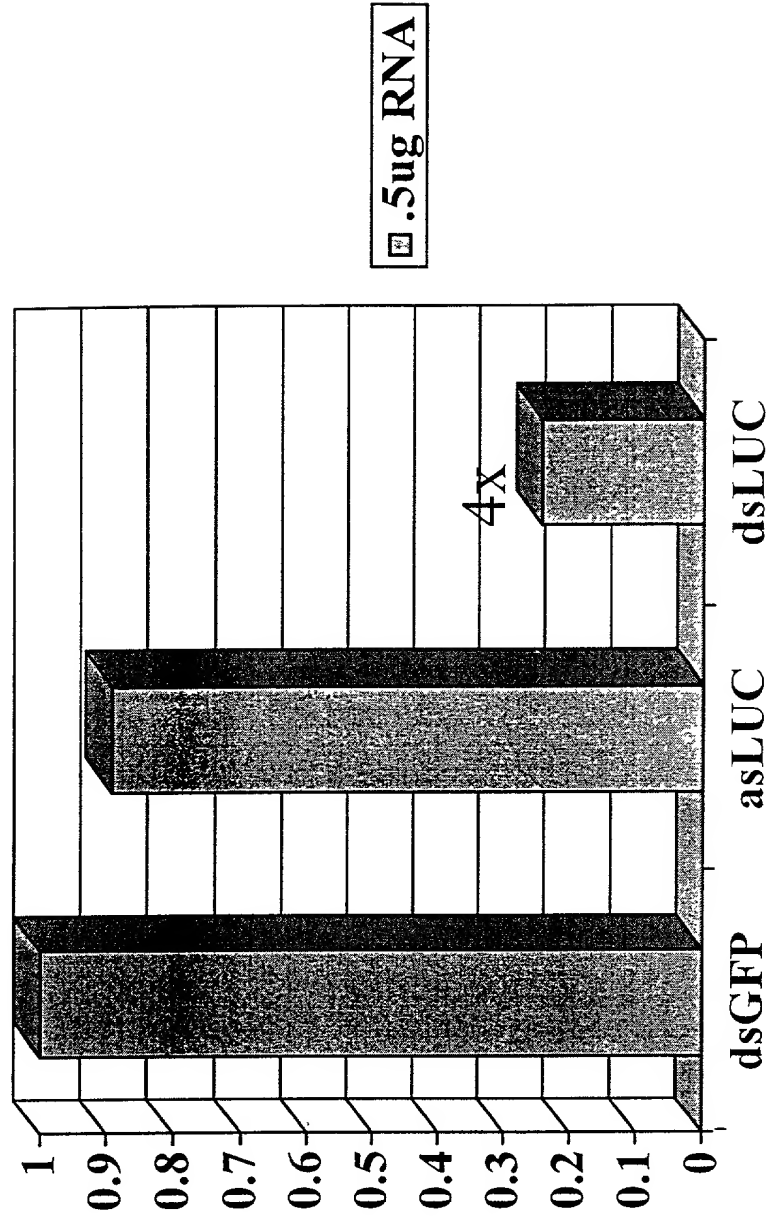


Figure 31

P19 cells soaked with various amounts of dsRNA for 12hrs in 2mL growth medium (alpha MEM, 10% FBS)

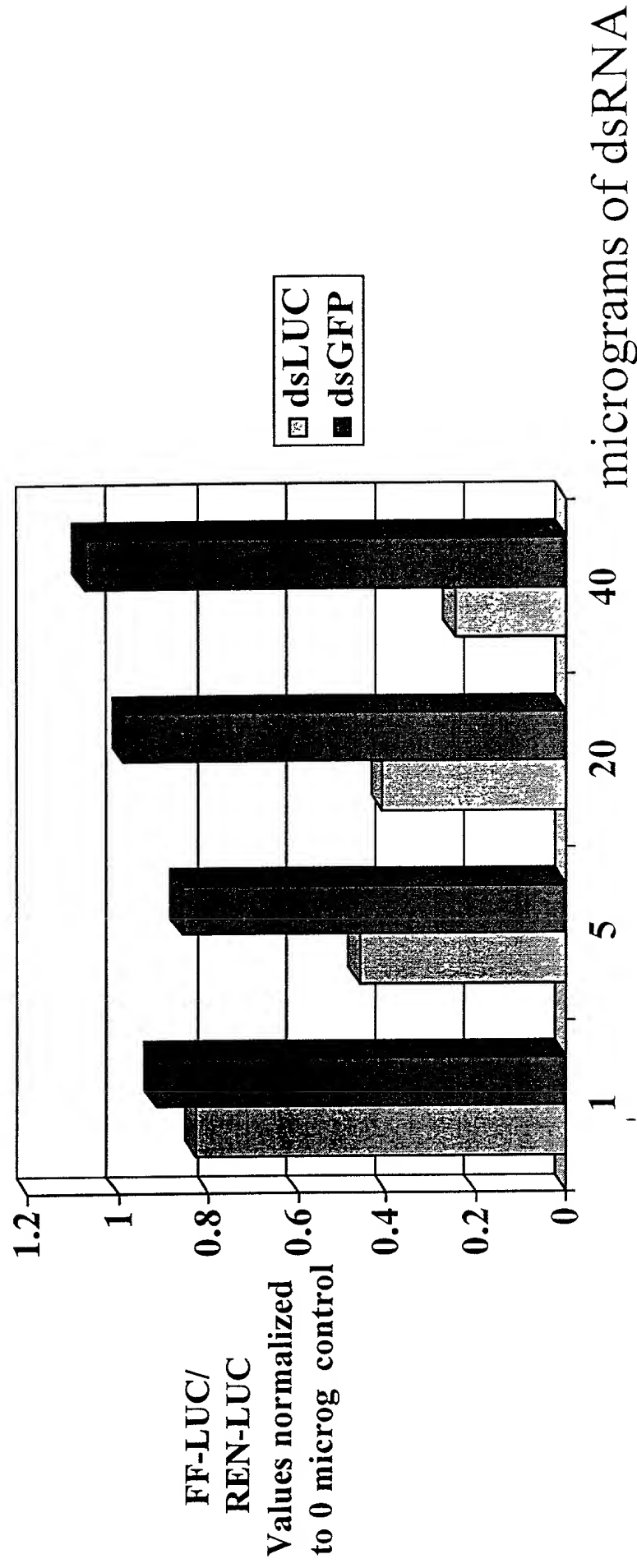


Figure 32

Parameter	Value	Unit
Mean	1.00	
Standard deviation	0.10	
Minimum	0.80	
Maximum	1.20	
Range	0.40	
Skewness	0.00	
Kurtosis	0.00	
Mean square	0.01	
Adjusted R square	0.00	
ANOVA		
Sum of squares	0.01	
Mean square	0.01	
F	0.00	
Sig.	0.99	
Regression		
Sum of squares	0.01	
Mean square	0.01	
F	0.00	
Sig.	0.99	
Residual		
Sum of squares	0.00	
Mean square	0.00	
F	0.00	
Sig.	0.99	
Total		
Sum of squares	0.01	
Mean square	0.01	
F	0.00	
Sig.	0.99	

